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IN THE CLAIMS:

Please amend the claims to read, as follows:

- 1-2. (Canceled)
3. (Currently Amended) A process as defined in claim [1] 105, wherein said administered ~~chemical~~ composition comprises a daily dosage of between about 5 mcg and about 60 mg of said 6-methoxy-2,3-benzoxazolinone.
4. (Currently Amended) A process as defined in claim [1] 105, wherein ~~the~~ said administered ~~chemical~~ composition comprises a daily dosage of 15 mg of said 6-methoxy-2,3-benzoxazolinone.
5. (Currently Amended) A process as defined in claim [1] 105, wherein ~~at least one of~~ said 6-methoxy-2,3-benzoxazolinone is obtained from one or more monocotyledonous plants selected from the group consisting of corn, wheat, barley, rye, oats, rice, sorghum, millet, bamboo, Job's Tears, barley-like grasses, and wild grasses, by growing the plant to an immature life history stage and harvesting the plant.
6. (Previously presented) A process as defined in claim 5, wherein said harvested plant is dried.

7. (Previously presented) A process as defined in claim 6, wherein said harvested plant is dried at a temperature in the range of between about 40°C and about 45°C.

8. (Previously presented) A process as defined in claim 6, wherein said dried harvested plant contains phenols in total amounts greater than 17.0 mg/gm (dry weight).

9. (Previously presented) A process as defined in claim 6, wherein said dried harvested plant contains combined amounts of 4-hydroxycinnamic acid and 4-hydroxy-3-methoxycinnamic acid totaling no more than 1.5 mg/gm (dry weight).

10. (Previously presented) A process as defined in claim 5, wherein said harvested plant is immature corn, *Zea mays*.

11. (Previously presented) A process as defined in claim 10, wherein said immature corn has been grown to a height between about 45 centimeters and about 122 centimeters.

12. (Previously presented) A process as defined in claim 10, wherein said immature corn has been grown to a height that does not exceed between about 30 centimeters and about 45 centimeters.

13. (Previously presented) A process as defined in claim 10, wherein said immature corn has been grown for less than ten weeks after planting.

14. (Currently Amended) A process as defined in claim [1] 105, wherein said ~~chemical~~ composition is administered in a manner selected from the group consisting of: (1) orally, in the form of tablets, capsules, suspensions, solutions and other means suitable for ingestion, including sublingual dosage forms; (2) intranasal administration; (3) transmucosal administration; (4) parenteral injection, in the form of subcutaneous, intramuscular, intravenous; (5) implant for sustained release; and (6) transdermal patch.

15. (Currently Amended) A process as defined in claim [1] 105, wherein ~~therapeutically effective amounts of said chemical composition further comprise~~ said composition further comprises adjunctive therapy for a condition selected from the group consisting of arthritis, sleep apnea, fibromyalgia, diabetes, and hyperglycemia.

16-92. (Canceled)

93. (Currently Amended) The process as defined in claim [91] 107, wherein the administered ~~chemical~~ composition comprises a daily dosage of 15 mg of said 6-methoxy-2,3-benzoxazolinone.

94. (Currently Amended) The process as defined in claim [91] 107, wherein ~~at least one of said chemical compositions~~ said 6-methoxy-2,3-benzoxazolinone is obtained from one or more monocotyledonous plants selected from the group consisting of corn, wheat, barley, rye, oats, rice, sorghum, millet, bamboo, Job's Tears, barley-like grasses, and wild grasses, by growing the plant to an immature life history stage and harvesting the plant.

95. (Previously Presented) The process as defined in claim 94, wherein said harvested plant is dried.

96. (Previously Presented) The process as defined in claim 95, wherein said harvested plant is dried at a temperature in the range of between about 40°C and about 45°C.

97. (Previously Presented) The process as defined in claim 95, wherein said dried harvested plant contains phenols in total amounts greater than 17.0 mg/gm (dry weight).

98. (Previously Presented) The process as defined in claim 95, wherein said dried harvested plant contains combined amounts of 4-hydroxycinnamic acid and 4-hydroxy-3-methoxycinnamic acid totaling no more than 1.5 mg/gm (dry weight).

99. (Previously Presented) The process as defined in claim 94, wherein said harvested plant is immature corn, *Zea mays*.

100. (Previously Presented) The process as defined in claim 99, wherein said immature corn has been grown to a height between about 45 centimeters and about 122 centimeters.

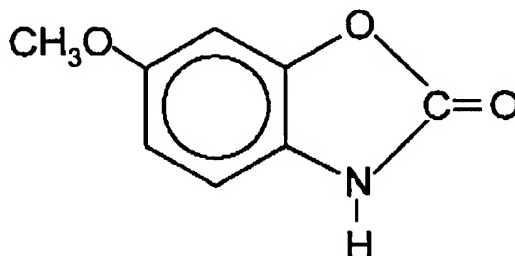
101. (Previously Presented) The process as defined in claim 99, wherein said immature corn has been grown to a height that does not exceed between about 30 centimeters and about 45 centimeters.

102. (Previously Presented) The process as defined in claim 99, wherein said immature corn has been grown for less than ten weeks after planting.

103. (Currently Amended) The process as defined in claim [91] 107, wherein said ~~chemical~~ composition is administered in a manner selected from the group consisting of: (1) orally, in the form of tablets, capsules, suspensions, solutions and other means suitable for ingestion, including sublingual dosage forms; (2) intranasal administration; (3) transmucosal administration; (4) parenteral injection, in the form of subcutaneous, intramuscular, intravenous; (5) implant for sustained release; and (6) transdermal patch.

104. (Currently Amended) The process as defined in claim [1] 107, wherein ~~therapeutically effective amounts of said chemical composition further comprise~~ said composition comprises adjunctive therapy for a condition selected from the group consisting of arthritis, sleep apnea, fibromyalgia, diabetes, and hyperglycemia.

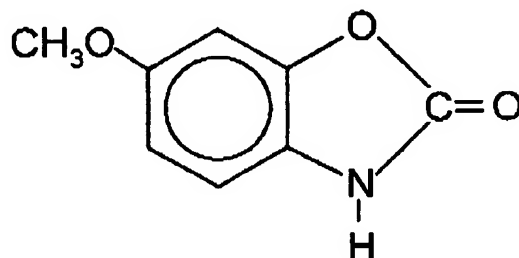
105. (New) A process for promoting weight loss in mammals by the administration of an effective amount of a composition comprising 6-methoxy-2,3-benzoxazolinone defined as:



or pharmaceutically acceptable salts thereof.

106. (New) The process as defined in claim 105, wherein at least a portion of said 6-methoxy-2,3-benzoxazolinone is obtained by chemical synthesis.

107. (New) A process for promoting weight loss in mammals by the administration of an effective amount of a composition comprising 6-methoxy-2,3-benzoxazolinone defined as:



or pharmaceutically acceptable salts thereof, wherein said administered composition comprises a daily dosage of between about 5 mcg and about 60 mg.

108. (New) The process as defined in claim 107, wherein at least a portion of said 6-methoxy-2,3-benzoxazolinone is obtained by chemical synthesis.

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